

BO SAULSBURY

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Technical Specialties:

Land use planning
Environmental and socioeconomic impact assessment
National Environmental Policy Act (NEPA) project management
Vehicle fuel economy

Education:

1986 B. A., History (minors in English and Business), The University of Tennessee

1989 M. S., Planning, The University of Tennessee (Thesis title: *Land Use Compatibility Planning for Airfield Environs: Intergovernmental Cooperation to Protect Land Users From the Effects of Aircraft Operations*)

Professional Experience:

1987 to 1990: University of Tennessee Graduate Student Researcher, Oak Ridge National Laboratory

1990 to Present: Researcher and Project Manager, Oak Ridge National Laboratory

Current Position: Senior R&D Staff, Energy & Transportation Science Division, Oak Ridge National Laboratory

From 1987 to present: conduct research and manage NEPA projects to identify and assess the environmental impacts of technology and policy. Specific projects include assessing the impacts of low-altitude military training flights (Air Force); nuclear power plant licensing and license renewal and in-situ leach uranium mining (Nuclear Regulatory Commission); hydroelectric, coal, and geothermal power plant and biorefinery construction and operation (Department of Energy and Federal Energy Regulatory Commission); the disposal of chemical weapons stockpiles (Army); and the United States Antarctic research program (National Science Foundation).

From 2000 to present: provide consumers with information about vehicle fuel economy through the Department of Energy's annual publication *Fuel Economy Guide* and web site www.fueleconomy.gov.

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Non-Professional Experience:

1996 to 2002: Board of Directors and President (2000-2002), Knoxville Track Club

2013 to Present: Board of Directors, Autism Society of America-East Tennessee Chapter

Volunteer experience with Recording for the Blind and Dyslexic, East Tennessee Children's Hospital, Friends of Literacy, Second Harvest Food Bank, and Community Shares

2007 to 2015: Certified Notary Public, State of Tennessee

Selected Projects and Publications:

Draft Environmental Impact Statement for an Early Site Permit (ESP) at the PSEG Site, New Jersey. Nuclear Regulatory Commission. Forthcoming.

The Integrated Basin Scale Opportunity Assessment Initiative: Phase I Methodology and Preliminary Scoping Assessments for the Connecticut and Roanoke Basins Annual Report 2013. PNNL-22807. With Gary Johnson, et al. Pacific Northwest National Laboratory. September 2013.

Technical and Economic Feasibility Assessment of Small Hydropower Development in the Deschutes River Basin. With Qin Fen Zhang et al. Department of Energy Wind and Water Power Program. ORNL/TM-2013/221. June 2013.

Environmental Assessment: Proposed Installation and Operation of an Explosive Destruction Technology Facility at the Blue Grass Army Depot, Richmond, Kentucky. With G. P. Zimmerman, et al. Army Element Assembled Chemical Weapons Alternatives. June 2013.

Integrated Basin-Scale Opportunity Assessment Initiative: Deschutes Basin-Scale Opportunity Assessment Second Stakeholder Workshop, February 1, 2013, Workshop Report. With Lara Fowler, et al. Department of Energy Wind and Water Power Program. March 2013.

Environmental Assessment: Proposed Installation and Operation of an Explosive Destruction Technology Facility at the Pueblo Chemical Depot, Pueblo, Colorado. With G. P. Zimmerman, et al. Army Element Assembled Chemical Weapons Alternatives. April 2012.

“The Deschutes River Basin Scale Opportunity Assessment: A National Initiative to Help a Basin Increase Hydropower, Improve Environmental Sustainability While Considering Other Basin Values.” *River Management Society Journal*. With Simon Geerlofs, et al. Winter 2011.

The Integrated Basin-Scale Opportunity Assessment Initiative, FY 2011 Year-End Report: Deschutes Basin Preliminary Hydropower Opportunity Assessment. PNNL-20802. With Simon Geerlofs, et al. Pacific Northwest National Laboratory. September 2011.

Environmental Impact Statement for Combined Licenses (COLs) at the Comanche Peak Nuclear Power Plant Site Units 3 and 4. NUREG-1943. With G. P. Zimmerman, et al. Nuclear Regulatory Commission. May 2011.

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Basin-Scale Opportunity Assessment Initiative Background Literature Review. With Simon Geerlofs, et al. Prepared to support the March 24, 2010, Memorandum of Understanding for Hydropower among the Department of Energy, the Department of the Interior, and the Department of the Army. ORNL/TM-2010/291. October 2010.

Environmental Impact Statement for Hydropower License: Smith Mountain Pumped Storage Project, Virginia. FERC/FEIS-0230F. With Allan Creamer, et al. Federal Energy Regulatory Commission. August 2009.

Environmental Assessment: Non-Project Use of Project Lands and Waters at the Saluda Hydroelectric Project, South Carolina (FERC No. 516-452). Federal Energy Regulatory Commission. July 2008.

Preliminary Feasibility Assessment of Geologic Carbon Sequestration Potential for TVA's John Sevier and Kingston Power Plants. With E. D. Smith. ORNL/TM-2008/024. March 2008.

Environmental Assessment: Non-Capacity Amendment of License at the Willamette Falls Hydroelectric Project, Oregon. With G. F. Cada. Federal Energy Regulatory Commission. October 2007.

Environmental Impact Statement: Gilberton Coal-to-Clean Fuels and Power Project, Gilberton, Pennsylvania. With R. M. Miller, et al. Department of Energy. October 2007.

Environmental Assessment: Non-Project Use of Project Lands and Waters at the Wallace Dam Hydroelectric Project, Georgia (FERC No. 2413-081). Federal Energy Regulatory Commission. February 2007.

Environmental Impact Statement: Orlando Gasification Project, Orlando, Florida. With R. M. Miller, et al. Department of Energy. January 2007.

Special Environmental Analysis for Actions Taken under U. S. Department of Energy Order 202-05-03 Regarding Operation of the Potomac River Generating Station in Alexandria, Virginia. With L. N. McCold, et al. Department of Energy. November 2006.

Environmental Assessment: Application for Conveyance and Acquisition of Project Lands at the Biron Hydroelectric Project, Wisconsin. Federal Energy Regulatory Commission. November 2006.

Biomass Energy Data Book: Edition 1. ORNL/TM-2006/571. With Lynn Wright, et al. Department of Energy. September 2006.

Environmental Assessment: Non-Project Use of Project Lands at the Wallace Dam Hydroelectric Project, Georgia (FERC No. 2413-065). Federal Energy Regulatory Commission. July 2006.

Environmental Assessment: Non-Project Use of Project Lands and Waters at the Catawba-Wateree Hydroelectric Project (Lake Wylie), North Carolina. Federal Energy Regulatory Commission. May 2006.

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Environmental Assessment: Amendment of License at the Lake Dorothy Hydroelectric Project, Alaska. Federal Energy Regulatory Commission. April 2006.

Environmental Assessment: Non-Project Use of Project Lands and Waters at the Saluda Hydroelectric Project, South Carolina. Federal Energy Regulatory Commission. March 2006.

Environmental Assessment: Amendment of License at the Lake Blackshear Hydroelectric Project, Georgia. Federal Energy Regulatory Commission. January 2006.

Environmental Assessment: Non-Project Use of Project Lands and Waters at the Martin Dam Hydroelectric Project, Alabama. Federal Energy Regulatory Commission. October 2005.

Environmental Assessment: Greenidge Multi-Pollutant Control Project, AES Greenidge Station, Dresden, New York. With R. M. Miller, et al. Department of Energy. August 2004.

Providing Consumers With Web-Based Information on the Environmental Effects of Automobiles—A Qualitative Research Report Based on Focus Groups in Knoxville, Tennessee and Los Angeles, California. ORNL/TM-2003/166. With D. L. Greene et al. Department of Energy. June 2003.

Environmental Impact Statement: North Umpqua Hydroelectric Project, Oregon. With R. M. Reed et al. Federal Energy Regulatory Commission. March 2003.

Supplemental Environmental Impact Statement: Rocky Creek Hydroelectric Project, Washington. Federal Energy Regulatory Commission. October 2002.

Supplemental Environmental Impact Statement: Irene Creek and Anderson Creek Hydroelectric Projects, Washington. Federal Energy Regulatory Commission. September 2002.

Environmental Impact Statement: Martin Creek Hydroelectric Project, Washington. With R. M. Reed et al. Federal Energy Regulatory Commission. August 2002.

Environmental Impact Statement: Warm Creek and Clearwater Creek Hydroelectric Projects, Washington. Federal Energy Regulatory Commission. June 2002.

Environmental Impact Statement, Destruction of Chemical Munitions Stored at Pueblo Chemical Depot, Colorado. With J. T. Ensminger et al. Army Program Manager for Chemical Demilitarization. March 2002.

Environmental Assessment: Powerdale Hydroelectric Project, Oregon. Federal Energy Regulatory Commission. December 2001.

Environmental Impact Statement: Missouri-Madison Hydroelectric Project, Montana. Federal Energy Regulatory Commission. September 1999.

Environmental Impact Statement: Eight Proposed Hydroelectric Projects In The Skagit River Basin, Washington. Federal Energy Regulatory Commission. April 1998.

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“Defining the No-Action Alternative for National Environmental Policy Act Analyses of Continuing Actions.” With L. N. McCold. *Environmental Impact Assessment Review*. Vol. 18, pp. 15-37. January 1998.

Environmental Impact Statement to Construct and Operate the Crownpoint Uranium Solution Mining Project, Crownpoint, New Mexico. Nuclear Regulatory Commission. February 1997.

Environmental Impact Statement, Disposal of Chemical Agents and Munitions Stored at Pine Bluff Arsenal, Pine Bluff, Arkansas. With J. T. Ensminger et al. Army Program Manager for Chemical Demilitarization. October 1996.

"Including Past and Present Impacts in Cumulative Impact Assessments." With L. N. McCold. *Environmental Management*. Vol. 20, No. 5, pp. 767-776. September 1996.

Environmental Impact Statement, Disposal of Chemical Agents and Munitions Stored at Umatilla Depot Activity, Oregon. With G. P. Zimmerman et al. Army Program Manager for Chemical Demilitarization. May 1996.

Generic Environmental Impact Statement for License Renewal of Nuclear Plants. With L. N. McCold et al. Nuclear Regulatory Commission. May 1996.

Environmental Assessment for Hydropower License, Skagit River Hydroelectric Project, Washington. With J. W. Webb et al. Federal Energy Regulatory Commission. May 1995.

Environmental Impact Statement for the Proposed Healy Clean Coal Project. With R. L. Miller et al. Department of Energy, December 1993.

Implementation Plan for the Hawaii Geothermal Project Environmental Impact Statement. With R. M. Reed et al. Department of Energy, April 1993.

Supplemental Environmental Impact Statement for the United States Antarctic Program. With R. M. Reed et al. National Science Foundation. October 1991.

Environmental Assessment, Potential Cumulative Impacts Associated with Hydropower Development in the Skagit River Basin, Washington. With R. B. McLean et al. Federal Energy Regulatory Commission. August 1991.

Environmental Impact Statement, Disposal of Chemical Agents and Munitions Stored at Anniston Army Depot, Anniston, Alabama. With D. B. Hunsaker, Jr. et al. Army Program Manager for Chemical Demilitarization. May 1991.

Site Feasibility Study for a Strategic Air Command Weapons Range. With R. D. Roop et al. Air Force Strategic Air Command. ORNL/TM-11270. September 1989.

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Selected Presentations:

Technical and Economic Feasibility Assessment of Small Hydropower Development in the Deschutes River Basin. 2013 Deschutes River Basin-Scale Opportunity Assessment Stakeholder Workshop. Bend, Oregon. February 2013

Fueleconomy.gov: New Features and Tools. 2012 Clean Cities Coordinator Regional Peer Exchange. Estes Park, Colorado. September 2012.

Fueleconomy.gov: New Features and Tools. 2011 Clean Cities Coordinator Regional Peer Exchange. Dallas, Texas. November 2011.

Lessons Learned: Commercial/Industrial Building Retrofits for Energy Savings. GovEnergy 2010 Workshop and Tradeshow. Dallas, Texas. August 2010.

Integrating NEPA with Other Environmental Requirements. Panel moderated at the Department of Energy Conference *NEPA 35: Spotlight on Environmental Excellence*, Washington, D.C. November 2005.

Fuel Economy and the Clean Cities Program. Clean Cities Atlanta/Chicago Joint Regional Meeting, Indianapolis, Indiana. August 2004.

Rating Green Vehicles: Results From Two Focus Groups. Marketing Clean and Efficient Vehicles Workshop, University of California-Davis Institute of Transportation Studies. Davis, California. March 2001.

Defining the No-Action Alternative for National Environmental Policy Act Analyses of Continuing Actions. National Association of Environmental Professionals Annual Conference, Washington, D.C. June 1995.

Including Past and Present Impacts in Cumulative Impact Assessments. National Association of Environmental Professionals Annual Conference, New Orleans, Louisiana. June 1994.